
Diploma in Solar Energy System – 1 Year

Semester – I

S. No.	Paper Numerical	Unique Class & Papers	Paper Name / Subject
1	35101	1DSES1	Basics of Solar Energy
2	35102	1DSES2	Solar Photovoltaic (PV) Technology
3	35103	1DSES3	Electrical Basics for Solar Systems
4	35104	1DSES4	Tools, Equipment & Safety Practices

Course Details:

- Solar radiation, types of solar systems, components.
- PV modules, solar cells, efficiency, testing.
- DC/AC basics, wiring, Inverter basics.
- Tools, PPE, solar installation safety.

Semester – II

S. No.	Paper Numerical	Unique Class & Papers	Paper Name / Subject
1	35201	2DSES1	Solar System Installation
2	35202	2DSES2	Solar Power Plant Design
3	35203	2DSES3	Battery Storage & Inverter Technology
4	35204	2DSES4	Practical Training / Project

Course Details:

- Rooftop installation, mounting structures, wiring.
- Load calculation, sizing PV modules, system planning.
- Battery types, charge controllers, inverters.
- Installation project & field practice.

